



March 30, 2006

TO: Transportation Authority of Marin Commissioners

FROM: Dianne Steinhauser, Executive Director

RE: Status Report on Measure A, Strategy 3, Major Roads and Related Infrastructure Project
Prioritization Process - Agenda Item 8

Dear Commissioners:

Executive Summary

Strategy 3 in the Expenditure Plan addresses the need to maintain, improve, and manage local transportation infrastructure through two sub-strategies: Major Roads and Local Roads. The Major Roads substrategy was intended to target the most significant and heavily-traveled roadways in the county. The Public Works Directors of each city, town, and the county (MPWA)—working with the Technical Advisory Committee (TAC)—have reviewed the performance criteria listed in the Expenditure Plan and developed criteria descriptions and weighting criteria for evaluation of the roadway segments. The Public Works Directors and the TAC each developed their own weighting of the criteria; however, the roadway segment rankings arrived at by each were the same. Project sponsors for the priority segments were identified and have been requested to develop project scopes for their segments. Following this exercise, project sponsors will submit a formal application, get approval on the respective scope of the project, and execute an agreement with TAM before commencing work on the project.

Recommendation: None—information only.

As described in the Expenditure Plan, Strategy 3—Local Transportation Infrastructure, addresses the need to “maintain, improve, and manage Marin County’s local transportation infrastructure, including roads, bikeways, sidewalks, and pathways.” Eligible uses of funds identified in the Expenditure Plan include a variety of improvements. The Strategy is comprised of two sub-strategies, Major Roads and Local Roads, with Measure A revenues equally divided between them.

The Expenditure Plan assigned the responsibility for establishing the priorities for Major Roads projects to MPWA, working together with a Technical Advisory Committee (TAC). Through this process, MPWA and the TAC make recommendations to TAM regarding the anticipated distribution of funds under this sub-strategy. The prioritization process has been based on the following performance criteria identified in the Expenditure Plan:

▪ Condition of roadway	▪ Average daily traffic
▪ Transit frequency	▪ Bicycle and pedestrian activity
▪ School access	▪ Accident history
▪ Opportunities for matching funds	▪ Geographic equity

MPWA and the TAC worked to develop definitions for these performance criteria so that data could be collected for evaluation (see Attachment 2). MPWA reviewed the roadways identified in the Expenditure Plan (see Attachment 3) and developed roadway segments for evaluation within each of the planning areas. They also developed proposed weighting criteria for the performance measures listed above (see Attachment 4). These elements were reviewed and refined by the TAC. The Public Works Directors and the TAC agreed that consideration of the opportunities for matching funds and the geographic equity performance criterion would be excluded from the initial selection of projects, but would be used in a second Phase of the evaluation process to determine which projects should be implemented first.

The Public Works Directors completed a matrix that incorporated data for the performance criteria for evaluation using the performance criteria weighting system. Based on this evaluation, the Public Works Directors then developed a preliminary list of priority segments, using a weighted system that reflected the relative importance of individual performance criteria.

In a concurrent effort, the TAC evaluated the roadway segments using a weighted system that reflected a different weighting of the performance criteria, based on the importance as they determined. Although two distinct weighting systems were used, the Public Works Directors and the TAC evaluations resulted in the same priority ranking for the high ranking roadway segments (see Attachment 4).

Project sponsors for the priority segments were identified and agreed to by MPWA. Project sponsors were requested to develop project scopes for the top ranked segments as follows:

- **Northern Marin**
City of Novato – Novato Blvd between Diablo Avenue and San Marin Drive
- **Central Marin**
City of San Rafael – 4th Street between Red Hill Avenue and Grand Avenue
- **Ross Valley**
Marin County – Sir Francis Drake Blvd between US 101 and Wolfe Grade and between Wolfe Grade and the Ross City limit. (note: these two segments tied in their scoring, so the County will come back with a proposal as to which goes first)
- **Southern Marin**
Town of Mill Valley – Miller Avenue between Camino Alto and Throckmorton Avenue
- **Western Marin**
Marin County – Sir Francis Drake Blvd between Samuel P. Taylor and the Platform bridge.

Project sponsors for some of the second and third ranked segments indicated they will also prepare scopes for projects that are determined that could be implemented in the near term.

This scoping exercise is currently underway by the project sponsors. Following the scoping exercise, project sponsors will submit formal applications containing proposed project descriptions and preliminary cost and schedule estimates. Project application development is expected to be an iterative process. The process developed by TAM staff, MPWA and the TAC

is described in Attachment 1, Major Roads and Related Infrastructure Project Prioritization Methodology.

Prior to receiving an allocation, project sponsors will be required to execute a funding agreement with TAM, agreeing to adhere to Measure A policies. Allocations will be made for specific projects. Consequently, the flow of funds will show considerable variation, corresponding to the timing and cost magnitude of the projects. In addition, geographic equity is an important element of this sub-strategy, so the Expenditure Plan required that the distribution of funds between planning areas be re-balanced every six years. The current distribution is as follows:

Funding Allocations for Major Infrastructure Projects	
<i>Planning Area</i>	<i>Current Distribution</i> <i>(Based on 50% Population & 50% Road Miles)</i>
Northern Marin	19.9%
Central Marin	25.4%
Ross Valley	21.6%
Southern Marin	20.0%
West Marin	13.1%
TOTAL:	100.0%

Recommendation:

Information item.

Attachments:

- 1) Major Roads and Related Infrastructure Project Prioritization Methodology
- 2) Candidate Projects for Major Roads
- 3) Project Prioritization Criteria for Major Roads
- 4) Major Roadway Projects Data Table

ATTACHMENT 1

Major Roads and Related Infrastructure Project Prioritization Methodology

Tasks	Month
Review performance measures and descriptions.	Sep 05
MPWA develops proposed weighting criteria for performance measures.	
TAC reviews proposed performance measure weighting.	
Review performance measures and descriptions.	Oct 05
TAC provides proposed weighting for performance measures.	Jan 06
MPWA completes Data Table with performance measure data for roads of countywide significance by segment within each planning areas.	Feb 06
MPWA develops preliminary list of priority segments using performance measure weighting. MPWA reviews with the utility providers and for coordination with other proposed projects.	Feb 06
MPWA revises segment priority list based on utility feedback, if necessary, and reports results to TAC.	Feb 06
MPWA reports to TAC on evaluation process (evaluation matrix) and identification of priority segments.	Feb 06
TAC provides feedback to the MPWA on priority segments.	Feb 06
TAC and MPWA concur on the priority segments.	Mar 06
Project sponsors' carry out process to develop project scope within those priority segments.	Mar 06
Project sponsors' prepare application containing proposed project descriptions and preliminary cost and schedule estimates.	Mar 06
Applications are presented to the TAC and the public at a public TAC meeting for review.	TBD
TAC reviews the MPWA evaluation of the projects: <ul style="list-style-type: none"> Review scope development process Review feasibility of multi-modal elements. Project sponsor responds to questions	TBD
Project sponsor updates application to reflect changes as a result of comments received that are agreed to by sponsor. Project sponsor (city, town or county) has a public meeting where final project scope is approved by legislative body. Project sponsor's meeting agenda packet shall contain copies of all comments from the TAC meeting and written responses.	TBD
MPWA provides Phase 2 performance measure data. TAC and MPWA identify top ranked projects by Planning Area, and prioritize projects overall.	TBD
Project approval by TAM Commissioners at a public meeting as part of the Strategic Plan. TAM's role would be limited to approve or reject a proposed project as proposed by the project sponsor.	Jun 06

Attachment 2

Candidate Projects for Major Roads

The Expenditure Plan describes the Major Roads sub-strategy as targeting “the most heavily traveled and significant roads and related infrastructure in Marin County.” These are roads of countywide significance that may cross jurisdictional boundaries. The Expenditure Plan lists the following roadways, which were identified as “priority candidates” for funding under this sub-strategy:

- Atherton Avenue/San Marin Boulevard
- Novato Boulevard/South Novato Boulevard
- D Street/Wolfe Grade
- Las Gallinas Avenue/Los Ranchitos Road/Lincoln Avenue
- North San Pedro Avenue to the China Camp State Park Boundary or Sunny Oaks Drive
- Novato Boulevard/South Novato Boulevard
- D Street/Wolfe Grade
- Las Gallinas Avenue/Los Ranchitos Road/Lincoln Avenue
- North San Pedro Avenue to the China Camp State Park Boundary or Sunny Oaks Drive
- Point San Pedro Avenue to the China Camp State Park Boundary or Biscayne Drive
- Red Hill Avenue/4th Street/2nd and 3rd Streets
- Andersen Drive
- Magnolia Avenue/Corte Madera Avenue/Camino Alto
- Redwood Avenue/Tamalpais Drive/Madera Boulevard/Tamal Vista Boulevard/Fifer Avenue/Lucky Drive/Doherty Drive
- Sir Francis Drake Boulevard from Interstate 580 to Platform Bridge
- Bridgeway Corridor (Bridgeway/Richardson Street/2nd Street/South Street/Alexander Avenue)
- Paradise Drive
- E. Blithedale Avenue
- Miller Avenue/Almonte Boulevard

ATTACHMENT 3

Project Prioritization Criteria for Major Roads Projects

PERFORMANCE CRITERIA

The following performance criteria are contained in the Sales Tax Expenditure Plan on Page 18 to be used to prioritize major road projects. The projects implement the strategy to: Maintain, improve, and manage Marin County's local transportation infrastructure, including roads, bikeways, sidewalks, and pathways. This strategy is one of four focusing on the goal of the expenditure plan: Improve mobility and reduce local congestion for everyone who lives or works in Marin County by providing a variety of high quality transportation options designed to meet local needs.

Definitions of the performance criteria are provided below. A sample scoring application of the criteria follows each performance criteria definition, with a uniform scoring range used for each of the performance criteria (a weighting of the criteria is not reflected at this level of analysis).

Pavement Condition Index. The Pavement Condition Index (PCI) is a numerical rating of the pavement condition that ranges from 0 to 100, with 0 being the worst possible condition and 100 being the best possible condition. The PCI method was developed by the Construction Engineering Research Laboratory of the U.S. Army Corps of Engineers. This method can be used on both asphalt surfaced and jointed Portland cement concrete (PCC) pavements. For a roadway segment with subsegments in the Pavement Management System with different PCI's, calculate a weighted average over the entire segment length. *The lower the PCI, the higher a roadway segment would be scored.*

PCI rating	Base	TAC	MPWA
≤ 25	10	38	40
26-50	7	30	30
51-75	4	20	20
≥ 76	1	10	10

Average Daily Traffic. The total traffic volume during a given period (from 1 to 365 days) divided by the number of days in that period. Current ADT volumes can be determined by continuous traffic counts or periodic counts. Where only periodic traffic counts are taken, ADT volume can be established by applying correction factors such as for season or day of week. For roadways having traffic in two directions, the ADT includes traffic in both directions unless specified otherwise. *Corridors with higher ADTs would score higher.*

ADT rating	Base	TAC	MPWA
≥ 25,000	10	20	25
15- 25,000	5	10	20
≤ 15,000	0	0	15

Transit Frequency. Transit frequency is a measure of availability of fixed route public transit to the public. As an objective measure, the average daily (AD) bus seat trips can be used as a performance measure. Corridors with higher bus seat trips will score higher in this performance measure.

AD Transit	Base	TAC	MPWA
H => 3,000	10	12	5
M = 1,000-3,000	5	6	2.5
L =<1000	0	0	0

Note: Numeric values can be added to the AD transit (or Transit frequency) once data is obtained for the roadway segments.

Bicycle and Pedestrian Activity. Bicycle and pedestrian activity can be measured by determining if the roadway includes an existing pedestrian facility and/or bicycle facility or if a pedestrian and/or bicycle facility is planned in the community's adopted Bicycle Master Plan. Roadways with existing pedestrian and/or bicycle facilities would be scored higher, planned facilities next, and no adopted pedestrian and/or bicycle facilities lowest.

Bike/Ped	Base	TAC	MPWA
Existing pedestrian and/or bicycle facility	10	13	5
Planned pedestrian and/or bicycle facility	5	6.5	2.5
No planned pedestrian and/or bicycle facility	0	0	0

School Access. School access can be measured by the number of designated school zones included in the roadway segment.

School zones	Base	TAC	MPWA
Two or greater	10	10	5
One zone	5	5	2.5

No zones	0	0	0
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Accident History. Accident history is a measurement of accidents for a certain volume of traffic. A typical measurement would be the gross number of accidents (one year period) divided by the ADT (using the Traffic Safety Manual formula). The CHP report (SWTTRS) could be used as a source of accident data.

Accident rate	Base	TAC	MPWA
High 7.5 - 10	10	7	5
Medium 2.5 – 7.5	5	3.5	2.5
Low 0 – 2.5	0	0	0

Note: Numeric values for high, medium and low can be added to the accident rate once data is obtained for the roadway segments.

Phase 2

Two of the performance criteria are recommended for use in a second phase of the project prioritization. These performance criteria would be used when more information is available regarding projects and will be used to refine the project prioritization:

Opportunities for Matching Funds. Measure A provides a limited amount of funding for projects in Marin County. By obtaining matching funds, a project could be implemented with fewer Marin County tax dollars, freeing those dollars to be used on other projects. *The roadway segments that have the ability to attract matching funds would score higher.*

Geographic Equity. The Expenditure Plan (Figure 2, page 18) identifies funding allocations for Major Infrastructure Projects by Planning Area. The allocations are based on population and road miles and will be reviewed at the start of the tax and adjusted to reflect the most current information on that date. The distribution will also be balanced every six years. *The available funding determined by the allocation formulas will determine prioritization.* In addition, within each planning area, the distribution of projects can be evaluated under this performance criterion.

Other Definitions

Pavement Management System (PMS). The PMS data provides an “indicator” of the relative cost of the individual projects.

Project Sponsor. Several project segments cross jurisdictional boundaries. The Public Works Directors have agreed that a project sponsor will implement the project regardless of the jurisdiction.

Major Roadway Projects Data Table

Planning Area	Lead Agency	Segment Number	Name of Roadway		Length (miles)	Pavement Condition Index	Evaluation		Average Daily Traffic	Evaluation	
							TAC	MPWA		TAC	MPWA
Northern Marin	Novato	N1	Novato Blvd.	Diablo Ave. - San Marin Dr.	2.6	50	30	30	13,308	0	15
	Marin County	N2	Novato Blvd.	San Marin Dr. - Pt. Reyes/Petaluma	6.81	53	20	20	3,220	0	15
	Novato	N3	South Novato Blvd.	US 101 - De Long Ave/Diablo Blvd	2.5	81	10	10	15,692	10	20
	Novato	N4	San Marin Dr.	Novato Blvd. - US 101	2.8	60	20	20	15,202	10	20
	Marin County	N5	Atherton Ave.	US 101 - SR 37	3.1	71	20	20	8,000	0	15
Central Marin	San Rafael	C1	4th Street	Red Hill Ave. - Grand Ave.	1.95	73	20	20	48,000	20	25
	San Rafael	C2	3rd Street	2nd Street - Grand Ave.	1.35	69	20	20	31,200	20	25
	San Rafael	C3	2nd Street	4th Street - Grand Ave	1.35	96	10	10	64,200	20	25
	Marin County	C4	Las Gallinas/Los Ranchitos/Lincoln	Lucas Valley Rd. - 2nd Street	4.73	81	10	10	26,022	20	25
	Marin County	C5	Las Gallinas Ave.	Lucas Valley Rd. - US 101	0.5	80	10	10	5,000	0	15
	San Rafael	C6	Andersen Dr.	A Street - Sir Francis Drake Blvd.	2.5	86	10	10	28,700	20	25
	San Rafael	C7	D Street	5th Ave - City Limit	1	86	10	10	19,100	10	20
	Marin County	C8	N San Pedro Rd.	Los Ranchitos -Sunny Oaks Dr.	2.25	61	20	20	13,991	0	15
	San Rafael	C9	Pt. San Pedro Rd.	3rd St/ Grand Ave - Biscayne Dr/ City Limit	4	65	20	20	21,800	10	20
Southern Marin	Marin County	S1	Paradise Dr.	Tamalpais Dr. - Trestle Glen Blvd.	3.57	42	30	30	2,200	0	15
	Tiburon	S2	Paradise Dr.	Trestle Glen Blvd. - Tiburon Blvd.	5.26	47	30	30	2,000	0	15
	Marin County	S3	Almonte Blvd./ Miller Ave.	Shoreline Hwy - Camino Alto	0.94	72	20	20	25,000	10	20
	Mill Valley	S4	Miller Ave.	Camino Alto - Throckmorton Ave.	1.35	51	30	30	20,122	10	20
	Mill Valley	S5	E. Blithedale Ave.	Sunnyside Ave. - Tiburon Blvd.	1.70	66	20	20	23,088	10	20
	Sausalito	S6	Bridgeway/ 2nd St/ S. Alexander Ave.	US 101 - Ft. Baker Rd.	2.97	94	10	10	11,000	0	15
Ross Valley	Marin County	R1	East Sir Francis Drake Blvd.	I-580 - US 101	1.46	76	10	10	31,000	20	25
	Marin County	R2	Sir Francis Drake Blvd.	US 101 - Wolfe Grade	1.42	50	30	30	59,000	20	25
	Marin County	R3	Sir Francis Drake Blvd.	Wolfe Grade - Ross Limit	1	47	30	30	34,500	20	25
	Ross	R4	Sir Francis Drake Blvd.	Ross Limit - Bolinas Ave.	1	63	20	20	18,000	10	20
	San Anselmo	R5	Sir Francis Drake Blvd.	Bolinas Ave. - Butterfield Road	1.4	68	20	20	34,700	20	25
	Fairfax	R6	Sir Francis Drake Blvd.	Butterfield Rd. - Co. Limit	2.1	79	10	10	18,900	10	20
	Larkspur	R7	Magnolia/Corte Madera Ave/Camino Alto	College Ave - Corte Madera Limit	1.9	85	10	10	10,895	0	15
	Corte Madera	R8	Tamaplais Dr.	Corte Madera Ave - Madera Blvd.	0.7	69	20	20	29,333	20	25
	Corte Madera	R9	Tamal Vista Blvd. / Madera Blvd.	Fifer Ave. - Tamalpais Dr.	0.9	62	20	20	20000	10	20
	Corte Madera	R10	Lucky Dr.	Riviera Cir - SF Bay Trail	0.4	71	20	20	11000	0	15
	Corte Madera	R11	Fifer Ave.	Lucky Dr. - Nellen Ave.	0.15	67	20	20	11604	0	15
	Larkspur	R12	Doherty Dr.	Magnolia Ave. - Riviera Cir.	0.9	53	20	20	11,548	0	15
	Corte Madera	R13	Paradise Dr.	San Clemente - Tiburon Town limit	1.7	72	20	20	21084	10	20
Western Marin	Marin County	W1	Sir Francis Drake Blvd.	Fairfax Limit - Samuel P. Taylor (Shafter Bridge)	6.68	62	20	20	9,000	0	15
	Marin County	W2	Sir Francis Drake Blvd.	Samuel P. Taylor - Platform Bridge	5.24	30	30	30	3,000	0	15

Notes:

(*) - If segment included several seat/day numbers, the highest was used.

(**) - Bike / Pedestrian Facilities: E = Existing, P = Planned, N = None

Major Roadway Projects Data Table

Planning Area		Segment Number	Name of Roadway		Transit Frequency (*)	Evaluation		Bicycle and Pedestrian Activity (**)	Evaluation		
	Lead Agency					TAC	MPWA		TAC	MPWA	
Northern Marin	Novato	N1	Novato Blvd.	Diablo Ave. - San Marin Dr.	1,825	6	2.5	E/E	2	13	5
	Marin County	N2	Novato Blvd.	San Marin Dr. - Pt. Reyes/Petaluma	0	0	0	E/N	2	13	5
	Novato	N3	South Novato Blvd.	US 101 - De Long Ave/Diablo Blvd	2,724	6	2.5	E/E	2	13	5
	Novato	N4	San Marin Dr.	Novato Blvd. - US 101	1,906	6	2.5	E/E	2	13	5
	Marin County	N5	Atherton Ave.	US 101 - SR 37	0			E/E	2	13	5
Central Marin	San Rafael	C1	4th Street	Red Hill Ave. - Grand Ave.	3,316	12	5	P/E	2	13	5
	San Rafael	C2	3rd Street	2nd Street - Grand Ave.	0	0	0	P/E	2	13	5
	San Rafael	C3	2nd Street	4th Street - Grand Ave	0	0	0	N/E	2	13	5
	Marin County	C4	Las Gallinas/Los Ranchitos/Lincoln	Lucas Valley Rd. - 2nd Street	2,289	6	2.5	E/E	2	13	5
	Marin County	C5	Las Gallinas Ave.	Lucas Valley Rd. - US 101	0	0	0	N/E	2	13	5
	San Rafael	C6	Andersen Dr.	A Street - Sir Francis Drake Blvd.	3,570	12	5	E/E	2	13	5
	San Rafael	C7	D Street	5th Ave - City Limit	0	0	0	P/E	2	13	5
	Marin County	C8	N San Pedro Rd.	Los Ranchitos -Sunny Oaks Dr.	914	0	0	P/E	2	13	5
	San Rafael	C9	Pt. San Pedro Rd.	3rd St/ Grand Ave - Biscayne Dr/ City Limit	0	0	0	P/E	2	13	5
Southern Marin	Marin County	S1	Paradise Dr.	Tamalpais Dr. - Trestle Glen Blvd.	0	0	0	P/N	1	6.5	2.5
	Tiburon	S2	Paradise Dr.	Trestle Glen Blvd. - Tiburon Blvd.	2,000	6	2.5	P/N	1	6.5	2.5
	Marin County	S3	Almonte Blvd./ Miller Ave.	Shoreline Hwy - Camino Alto	2,665	6	2.5	E/N	2	13	5
	Mill Valley	S4	Miller Ave.	Camino Alto - Throckmorton Ave.	2,665	6	2.5	E/E	2	13	5
	Mill Valley	S5	E. Blithedale Ave.	Sunnyside Ave. - Tiburon Blvd.	2,665	6	2.5	N/E	2	13	5
	Sausalito	S6	Bridgeway/ 2nd St/ S. Alexander Ave.	US 101 - Ft. Baker Rd.	3,469	12	5	E/E	2	13	5
Ross Valley	Marin County	R1	East Sir Francis Drake Blvd.	I-580 - US 101	1,831	6	2.5	E/E	2	13	5
	Marin County	R2	Sir Francis Drake Blvd.	US 101 - Wolfe Grade	3,130	12	5	P/E	2	13	5
	Marin County	R3	Sir Francis Drake Blvd.	Wolfe Grade - Ross Limit	4,085	12	5	P/E	2	13	5
	Ross	R4	Sir Francis Drake Blvd.	Ross Limit - Bolinas Ave.	4,085	12	5	P/N	1	6.5	2.5
	San Anselmo	R5	Sir Francis Drake Blvd.	Bolinas Ave. - Butterfield Road	4,085	12	5	E/E	2	13	5
	Fairfax	R6	Sir Francis Drake Blvd.	Butterfield Rd. - Co. Limit	3,385	12	5	E/E	2	13	5
	Larkspur	R7	Magnolia/Corte Madera Ave/Camino Alto	College Ave - Corte Madera Limit	2,055	6	2.5	E/E	2	13	5
	Corte Madera	R8	Tamaplais Dr.	Corte Madera Ave - Madera Blvd.	1,591	6	2.5	P/E	2	13	5
	Corte Madera	R9	Tamal Vista Blvd. / Madera Blvd.	Fifer Ave. - Tamalpais Dr.	702	0	0	E/E	2	13	5
	Corte Madera	R10	Lucky Dr.	Riviera Cir - SF Bay Trail	702	0	0	P/N	1	6.5	2.5
	Corte Madera	R11	Fifer Ave.	Lucky Dr. - Nellen Ave.	702	0	0	P/N	1	6.5	2.5
	Larkspur	R12	Doherty Dr.	Magnolia Ave. - Riviera Cir.	583	0	0	E/E	2	13	5
	Corte Madera	R13	Paradise Dr.	San Clemente - Tiburon Town limit	86	0	0	E/E	2	13	5
Western Marin	Marin County	W1	Sir Francis Drake Blvd.	Fairfax Limit - Samuel P. Taylor (Shafter Bridge)	131	0	0	P/N	1	6.5	2.5
	Marin County	W2	Sir Francis Drake Blvd.	Samuel P. Taylor - Platform Bridge	0	0	0	E/N	2	13	5

Notes:

(*) - If segment included several seat/day numbers, the highest was used.

(**) - Bike / Pedestrian Facilities: E = Existing, P = Planned, N = None

Major Roadway Projects Data Table

Planning Area	Lead Agency	Segment Number	Name of Roadway		School Access	Evaluation		Accident RATE	Evaluation	
						TAC	MPWA		TAC	MPWA
Northern Marin	Novato	N1	Novato Blvd.	Diablo Ave. - San Marin Dr.	1	3.5	2.5	1.40	0	0
	Marin County	N2	Novato Blvd.	San Marin Dr. - Pt. Reyes/Petaluma	2	7	5	3.27	3.5	2.5
	Novato	N3	South Novato Blvd.	US 101 - De Long Ave/Diablo Blvd	2	7	5	2.80	3.5	2.5
	Novato	N4	San Marin Dr.	Novato Blvd. - US 101	1	3.5	2.5	1.03	0	0
	Marin County	N5	Atherton Ave.	US 101 - SR 37	0	0	0	0.75	0	0
Central Marin	San Rafael	C1	4th Street	Red Hill Ave. - Grand Ave.	0	0	0	2.40	0	0
	San Rafael	C2	3rd Street	2nd Street - Grand Ave.	1	3.5	2.5	6.89	3.5	2.5
	San Rafael	C3	2nd Street	4th Street - Grand Ave	0	0	0	3.29	3.5	2.5
	Marin County	C4	Las Gallinas/Los Ranchitos/Lincoln	Lucas Valley Rd. - 2nd Street	2	7	5	5.17	3.5	2.5
	Marin County	C5	Las Gallinas Ave.	Lucas Valley Rd. - US 101	1	3.5	2.5	1.75	0	0
	San Rafael	C6	Andersen Dr.	A Street - Sir Francis Drake Blvd.	0	0	0	1.60	0	0
	San Rafael	C7	D Street	5th Ave - City Limit	0	0	0	5.59	3.5	2.5
	Marin County	C8	N San Pedro Rd.	Los Ranchitos -Sunny Oaks Dr.	2	7	5	0.83	0	0
	San Rafael	C9	Pt. San Pedro Rd.	3rd St/ Grand Ave - Biscayne Dr/ City Limit	1	3.5	2.5	0.31	0	0
Southern Marin	Marin County	S1	Paradise Dr.	Tamalpais Dr. - Trestle Glen Blvd.	1	3.5	2.5	2.67	3.5	2.5
	Tiburon	S2	Paradise Dr.	Trestle Glen Blvd. - Tiburon Blvd.	0	0	0	1.23	0	0
	Marin County	S3	Almonte Blvd./ Miller Ave.	Shoreline Hwy - Camino Alto	0	0	0	3.49	3.5	2.5
	Mill Valley	S4	Miller Ave.	Camino Alto - Throckmorton Ave.	2	7	5	4.80	3.5	2.5
	Mill Valley	S5	E. Blithedale Ave.	Sunnyside Ave. - Tiburon Blvd.	2	7	5	5.01	3.5	2.5
	Sausalito	S6	Bridgeway/ 2nd St/ S. Alexander Ave.	US 101 - Ft. Baker Rd.	0	0	0	3.28	3.5	2.5
Ross Valley	Marin County	R1	East Sir Francis Drake Blvd.	I-580 - US 101	1	3.5	2.5	0.68	0	0
	Marin County	R2	Sir Francis Drake Blvd.	US 101 - Wolfe Grade	0	0	0	1.18	0	0
	Marin County	R3	Sir Francis Drake Blvd.	Wolfe Grade - Ross Limit	0	0	0	0.00	0	0
	Ross	R4	Sir Francis Drake Blvd.	Ross Limit - Bolinas Ave.	0	0	0	1.83	0	0
	San Anselmo	R5	Sir Francis Drake Blvd.	Bolinas Ave. - Butterfield Road	1	3.5	2.5	3.38	3.5	2.5
	Fairfax	R6	Sir Francis Drake Blvd.	Butterfield Rd. - Co. Limit	2	7	5	1.24	0	0
	Larkspur	R7	Magnolia/Corte Madera Ave/Camino Alto	College Ave - Corte Madera Limit	1	3.5	2.5	2.65	3.5	2.5
	Corte Madera	R8	Tamaplais Dr.	Corte Madera Ave - Madera Blvd.	1	3.5	2.5	3.47	3.5	2.5
	Corte Madera	R9	Tamal Vista Blvd. / Madera Blvd.	Fifer Ave. - Tamalpais Dr.	0	0	0	1.37	0	0
	Corte Madera	R10	Lucky Dr.	Riviera Cir - SF Bay Trail	1	3.5	2.5	0.62	0	0
	Corte Madera	R11	Fifer Ave.	Lucky Dr. - Nellen Ave.	0	0	0	4.72	3.5	2.5
	Larkspur	R12	Doherty Dr.	Magnolia Ave. - Riviera Cir.	2	7	5	1.58	0	0
	Corte Madera	R13	Paradise Dr.	San Clemente - Tiburon Town limit	3	7	5	1.07	0	0
Western Marin	Marin County	W1	Sir Francis Drake Blvd.	Fairfax Limit - Samuel P. Taylor (Shafter Bridge)	1	3.5	2.5	0.77	0	0
	Marin County	W2	Sir Francis Drake Blvd.	Samuel P. Taylor - Platform Bridge	0	0	0	1.18	0	0

Notes:

(*) - If segment included several seat/day numbers, the highest was used.

(**) - Bike / Pedestrian Facilities: E = Existing, P = Planned, N = None

Major Roadway Projects Data Table

Planning Area	Lead Agency	Segment Number	Name of Roadway		Totals		Rank	
					Evaluation		TAC	MPWA
					TAC	MPWA		
Northern Marin	Novato	N1	Novato Blvd.	Diablo Ave. - San Marin Dr.	53	65	1	1
	Marin County	N2	Novato Blvd.	San Marin Dr. - Pt. Reyes/Petaluma	44	56	4	3
	Novato	N3	South Novato Blvd.	US 101 - De Long Ave/Diablo Blvd	50	53	3	4
	Novato	N4	San Marin Dr.	Novato Blvd. - US 101	53	59	1	2
	Marin County	N5	Atherton Ave.	US 101 - SR 37	33	47	5	5
Central Marin	San Rafael	C1	4th Street	Red Hill Ave. - Grand Ave.	65	65	1	1
	San Rafael	C2	3rd Street	2nd Street - Grand Ave.	60	65	2	1
	San Rafael	C3	2nd Street	4th Street - Grand Ave	47	50	5	7
	Marin County	C4	Las Gallinas/Los Ranchitos/Lincoln	Lucas Valley Rd. - 2nd Street	60	59	2	3
	Marin County	C5	Las Gallinas Ave.	Lucas Valley Rd. - US 101	27	38	9	9
	San Rafael	C6	Andersen Dr.	A Street - Sir Francis Drake Blvd.	55	53	4	5
	San Rafael	C7	D Street	5th Ave - City Limit	37	44	8	8
	Marin County	C8	N San Pedro Rd.	Los Ranchitos -Sunny Oaks Dr.	40	53	7	5
Southern Marin	San Rafael	C9	Pt. San Pedro Rd.	3rd St/ Grand Ave - Biscayne Dr/ City Limit	47	56	5	4
	Marin County	S1	Paradise Dr.	Tamalpais Dr. - Trestle Glen Blvd.	44	62	4	3
	Tiburon	S2	Paradise Dr.	Trestle Glen Blvd. - Tiburon Blvd.	43	59	5	4
	Marin County	S3	Almonte Blvd./ Miller Ave.	Shoreline Hwy - Camino Alto	53	59	3	4
	Mill Valley	S4	Miller Ave.	Camino Alto - Throckmorton Ave.	70	76	1	1
	Mill Valley	S5	E. Blithedale Ave.	Sunnyside Ave. - Tiburon Blvd.	60	65	2	2
Ross Valley	Sausalito	S6	Bridgeway/ 2nd St/ S. Alexander Ave.	US 101 - Ft. Baker Rd.	39	44	6	6
	Marin County	R1	East Sir Francis Drake Blvd.	I-580 - US 101	53	53	6	7
	Marin County	R2	Sir Francis Drake Blvd.	US 101 - Wolfe Grade	75	76	1	1
	Marin County	R3	Sir Francis Drake Blvd.	Wolfe Grade - Ross Limit	75	76	1	1
	Ross	R4	Sir Francis Drake Blvd.	Ross Limit - Bolinas Ave.	49	56	6	6
	San Anselmo	R5	Sir Francis Drake Blvd.	Bolinas Ave. - Butterfield Road	72	71	3	3
	Fairfax	R6	Sir Francis Drake Blvd.	Butterfield Rd. - Co. Limit	52	53	5	7
	Larkspur	R7	Magnolia/Corte Madera Ave/Camino Alto	College Ave - Corte Madera Limit	36	44	10	13
	Corte Madera	R8	Tamalpais Dr.	Corte Madera Ave - Madera Blvd.	66	68	4	4
	Corte Madera	R9	Tamal Vista Blvd. / Madera Blvd.	Fifer Ave. - Tamalpais Dr.	43	53	8	7
	Corte Madera	R10	Lucky Dr.	Riviera Cir - SF Bay Trail	30	47	11	11
	Corte Madera	R11	Fifer Ave.	Lucky Dr. - Nellen Ave.	30	47	11	11
	Larkspur	R12	Doherty Dr.	Magnolia Ave. - Riviera Cir.	40	53	9	7
Western Marin	Corte Madera	R13	Paradise Dr.	San Clemente - Tiburon Town limit	50	59	7	5
	Marin County	W1	Sir Francis Drake Blvd.	Fairfax Limit - Samuel P. Taylor (Shafter Bridge)	30	47	2	2
	Marin County	W2	Sir Francis Drake Blvd.	Samuel P. Taylor - Platform Bridge	43	59	1	1

Notes:

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